



DESCRIPTION OF MATERIALS

Single Family Housing
Sample Form Only - See Certified Plans and Specifications

Property Address _____ City _____ State _____

Contractor _____
(name) _____ (address)

1. EXCAVATION:

Bearing Soil, Type: Clay/Hardpan - 2000 psf (if other than 2000 psi: design footing/foundation accordingly).

Footing Depth: Below frost line of area and on undisturbed soil. Frost line/footing depth is _____.

Additional Information: _____

2. FOUNDATIONS:

Footings: 16"x 8" min., 3000 psi conc. min. (5 1/2 bag, 6 gal mix). 2 - #4 Rebar horizontal, min.

Foundation Wall: 8"x 8", 3000 psi conc. #4 Rebar 4' o.c. vertically; top, bottom, and middle horizontally, min.

Stem Wall (crawl space): 6", 3000 psi conc. #4 rebar top, bottom horizontally; 4' o.c. vertical rebar if over 4' high.

Foundation Vents (crawl space): 8 - 8"x 16" vents, 3' from corners. **Columns:** 3" steel posts or 6"x6" pressure treated lumber. **Piers:** 3000 psi conc., 24"x 24"x 10" w/ rebar.

Girders: (3)2 x 10 or (4)2 x 8, #2, 8'-0"0"- o.c.. Splice girder beams over columns only

Sill Anchors: 1/2"x 10" "J" bolts, 6' o.c. 12" from corners. Bolts are to be imbedded 7" into concrete.

Window Areaways: Windows below grade need a drained well. (2)16"x 32" windows min.

Basement Entrance Areaway: See plans. **Waterproofing:** Bituminous coat with 6 mil poly adhered, mop joints.

Footing Drains: 4" perforated tile w/12"x 12" washed gravel to positive drain.

Slab on Grade: 4" thick 3000 psi concrete reinforced with mesh or #3 rebar 3' o.c. w/6 mil poly vapor barrier under slab. R-7 Blue board insulation to thermally protect the slab perimeter .

Positive Drain: Crawl space drain, and footing drains, shall have a positive drain to daylight. Siding to be 6" off ground. Ground adjacent to house shall slope 6" in the first 10', min.

Termite Protection: Certified applicator to Treat soil under and around structure and send termite certification to Rural Development.

Footing Insulation: 1 1/2" blue board on outside of foundation R-7 (slab-on-grade).

Special Foundations: Porch foundation to be below frost line or stoop arms off foundation.

Basement Head Clearance: 6'- 8" under all ductwork. 6'-4' head clearance beneath girder.

Additional Information: Ventilation openings are not required when the ground surfaces are covered with an approved vapor retarder material, the space is supplied with conditioned air and the perimeter walls are insulated per R408.2.

If soil bearing pressure is questionable at footing areas , the allowable bearing pressure may be determined by a soils investigation.

3. CHIMNEYS:

Gas Vents or Flues: UL approved, sized and installed in accordance with manufacturers instructions.

Roof Flashing: Step flashing where brick or siding meets roofing. Cricket required.

Additional Information: _____

4. FIREPLACES:

Prefabricated Units: UL approved and installed in accordance with manufacturer's instructions.

Additional Information: Specifications for Pellet fuel-burning appliances shall be applied as per R1001.8.4.

5. EXTERIOR WALLS:

Wall Framing: Selected #3 or better 2x4's or 2x6's @ 16" o.c or other approved materials.

Corner Bracing: Metal "T", let-in 1x4 or channel bracing on corners (bracing not to exceed 25' o.c.)when foam board insulation used to meet insulation requirements.

Sheathing: R-5 rigid insulation board, wood composition panels, or black board (assure wall R-Value not compromised)

Air Infiltration Barrier: 36" wide #15 building paper applied vertically at corners, min. (or as required by siding mfr)

Siding: 7/16" No. 1, exterior grade plywood or hardboard siding (tempered), fastened with 8d galvanized nails. Siding with 6" or less clearance from ground shall be pressure treated.

Vinyl Siding: 44 mil, light integral color. All vinyl to be from same lot number (color tint integrity).

Masonry Veneer: This material must be applied over a vapor barrier with ties at 24" o.c. vertically and 16" o.c. horizontally. Weep holes max. 33" o.c.

Mortar and Joints: Type N mortar mix. Concave tool joint to prevent water from collecting on brick edge.

Exterior Paint: Acrylic primer with latex final coat(s). **Gable Ends:** Solid Class C sheathing as backer.

Insulation: All exterior framing, to include corners and partition connections, shall allow for insulation

Additional Information: _____

6. FLOOR FRAMING:

Joists: See plans and refer to the 2000 International Residential Code span chart (R502.3). **Bridging:** As required and not to exceed 10' on 2 x 12's.

Girder Lap: Joists shall lap 4" and bear 1-1/2" on wood or 3" on conc.

Concrete Slab: 4" 3000 psi conc. (5 1/2 bag mix). **Reinforcing:** 6 x 6, 10/10 wwm or #4 @ 3' o.c. grid.

Vapor Barrier: 6 mil poly with 6" laps at seam. **Fill Under Slab:** 4" washed gravel or sand.

Double Joists: Under all bearing parallel interior walls. **Sills:** 2 x 6 treated w/ 1/2"x 10" bolts, 6' o.c., 12" from corner.

Additional Information: **Prefabricated wood I-joists shall be installed per the manufacturers instructions.**

7. SUBFLOORING:

Subflooring: 3/4" (21/32") T & G OSB or CDX APA rated plywood, Glue and nail (screws recommended).

Additional Information: _____

8. FINISH FLOORING (WOOD):

Wood Flooring: Due to initial expense and high maintenance, solid wood finish flooring is not recommended.

Additional Information: _____

9. PARTITION FRAMING:

Studs: 2 x 4 select #3 or better, 16"o.c. **Headers:** 2 x 10 double header on exterior and load bearing walls.

Additional Information: _____

10. CEILING FRAMING:

Joists: See plans and refer to an engineered span chart. **Truss:** See engineered plans. **Stiff Back:** Mid span if stick built framing.

Attic Access: 22 x 30 access with 30" of headroom.

Soffit: If a soffit is used, enclose kitchen soffit with drywall for fire stopping before framing of the soffit.

Additional Information: _____

11. ROOF FRAMING:

Rafters: See plans and refer to an engineered span chart. **Truss:** Must be stamped design by engineer.

Raised Rafter/Truss: A raised rafter or raised truss design is recommended for full insulation depth around attic perimeter.

Attic Ventilation: 1 sq. in. per 1 sq. ft. of attic space to include eaves (50% at soffit, 50% or up to 80% near peak).

Rafter Bracing/Stiff Back: 2 x 6 continuous purlins with 2 x 4 struts 4' on center.

Hurricane Brackets: Connect every rafter/truss to top plates.

Additional Information: _____

12. ROOFING:

Sheathing: 7/16" CDX or OSB with clips, APA rated (3 ply plywood not acceptable).

"H" Clips: Required if 1/2" or 7/16" and 24" o.c. framing. **Overhang:** 24" min., (recommended) 12" at gables.

Roofing: Asphalt/fiberglass shingles, fire rated class A or C, 12 x 36 three-tab seal down type with 20-year warranty.

Underlayment: 1 layer #15 asphalt impregnated building paper if slope is 4:12 or greater. 2 layers #15 asphalt impregnated building paper or one layer #30 if slope is less than 4:12. Overlap joints 6".

Flashing: Aluminum or corrosion resistant; step flashing against siding. "D" style drip fascia flashing.

Soffit: Perforated baked enamel aluminum or 3/8" vented plywood soffit.

Additional Information: **All roofing materials are to be installed as per the manufacturers instructions.**

13. GUTTERS AND DOWNSPOUTS:

Gutters: Continuous (seamless) baked enamel aluminum, 26 gauge, 5" ogee shape min.

Downspouts: Continuous (seamless) baked enamel aluminum, 26 gauge, 2"x 3" rectangle min., each roof corner.

Splash Blocks: A 12"x 30" conc. splash block for each downspout.

Additional Information: _____

14. DRYWALL:

Drywall: 1/2" gypsum board on walls. Ceilings with 16" framing 1/2", Ceilings with 24" framing 5/8". **Joint treatment:** Tape with 3 coats plaster, sand smooth and level, ready for paint.

Water Resistant Drywall: 1/2" water resistant gypsum board on all walls of bathroom.

Basement Walls: Basement stud walls to have a 6 mil vapor barrier on warm side of wall and full stud width insulated.

Additional Information: _____

15. Painting & Decorating:

Painting: 2 coats paint or more shall be applied. Drips, flaws, shadowing, or inferior work will not be acceptable.

Wood Primer: Acrylic. **Metal Primer:** Rust inhibiting. **Kitchen/Bath:** Latex enamel.

General: Paint shall be applied in accordance with manufacturers instructions.

Wallpaper: Bathroom/Kitchen wallpaper shall be vinyl coated. **Ceiling Finish:** Acoustic material.

Additional Information: _____

16. INTERIOR DOORS & TRIM:

Doors: 1-3/8", NWMA-IS-I, No. 1, birch/mahogany/hardboard, pre-primed, hollow core, pre-hung and pre-drilled.

Basement door can not lock someone in basement if only door out of basement (emergency egress needed).

Finish: 2 coats min., latex enamel or semi-gloss final coat encouraged for easy cleaning.

Door Stops: 1 required for each door. Hinge type not acceptable. **Privacy Locks:** Master bedroom and bathrooms.

Additional Information: _____

17. WINDOWS:

Window Requirements: Overall U-value of 0.47 IAW ANSI C236 standards. Bars, grills, screens or other obstructions placed over egress windows shall be releasable/removable without tool or key. (If U-47 Documentation cannot be provided by the contractor, the window must be dual paned, and have a combination storm window applied.)

Bedrooms: 5.7 sq. ft. net opening (5.0 sq. ft. on grade level) with 24" height min. and 20" width min. (R310.1.2) Window sill not to exceed 44" above floor.. **Type:** Single or double hung with spring loaded balances.

Head Flashing: 28 ga. aluminum at gable end walls. **Weather-stripping:** Compression type with air-tight seal.

Wood Windows: Acrylic primer with enamel finish coat. **Vinyl Windows:** Low "E" glazing, with dual panes, light colored frame.

Basement Windows: Dual paned (framed walls) or storm sash with screen (concrete walls). **Insect Screen:** Vinyl or aluminum screens.

Additional Information: Window wells required for emergency escape shall have a minimum net clear area of 9 square feet with a minimum horizontal projection and width of 36 inches. Basements with habitable space and every sleeping room shall have at least one openable emergency escape and rescue window or exterior door opening (R310.1)

18. ENTRANCES & EXTERIOR DETAIL:

Entrance Doors: 1-3/4" insulated steel, 36" wide, pre-primed/hung/drilled with steel or solid wood frame.

Other Exterior Doors: 1-3/4" insulated steel, 2'- 8" wide (min), pre-primed/hung/drilled, steel or solid wood frame.

Weather-stripping: Compression/magnetic type with air-tight seal. **Head Flashing:** 28 ga aluminum on gable end.

Storm Door: 1-1/4" exterior door with operable glazing and vinyl or aluminum insect screen.

Shutters: Fixed weather resistant material. **Attic Louvers:** 1/2" clear area per sq ft of attic area.

Exterior Trim: Solid durable wood species primed with acrylic latex paint. Hardboard not acceptable for trim/fascia.

Glazed Doors: Atrium, sliding, or patio doors - overall U-value average of 0.47. Flash exterior, watertight seals.

Additional Information: _____

19. CABINETS & INTERIOR DETAIL:

Kitchen Cabinets: Certified to be in compliance with ANSI A-161 with water resistant finish (waiver possible).

Soffit: Enclose kitchen soffit with drywall for fire stopping. **Cabinet Fasteners:** Screws (nails not acceptable.)

Plastic Laminate: Countertop/Backsplash/edging. **Built-ins:** Vanity in baths; shelf and closet rod in each closet.

Medicine Cabinets: Standard recessed model, or if vanity has drawers, a 30"x 36" mirror. only

Additional Information: _____

20. STAIRS:

Exterior Stairs: Concrete or 2 x treated wood; 7" riser max.; 11" tread min; 3'x 3' min. landing.

Interior Stairs: 3/4" riser material; 7-3/4" riser max; 10" tread min; 2x material. 3/4 inch to 1 1/4 inch nosing unless 11 inch minimum tread.

Balusters: 5" o.c. **Stringers:** 3 - 2 x 12, CCA/fir. **Headroom:** 6'- 8" min. **Guardrail:** Both sides of stairs or wall (min 34" tall)

Handrail: Handgrip portions of handrails shall have a circular cross section of 1-1/4" to 2-5/8", mounted 34" to 38" above nosing of tread.

Joist Hangers: Spans in floor joists or headers exceeding 6' need to be attached with joist hangers.

Additional Information: Enclosed accessible space under stairs shall have walls and soffits protected on the enclosed side with 1/2" gyp. bd. Stairway width shall be no less than 36 inches above and below the handrail.

Stairway width between handrail(s) is 31.5", where a handrail is installed on one side and to 27 inches when installed on both sides. Open risers are permitted, provided the opening between the treads does not permit the passage of a 4-inch diameter sphere.

21. SPECIAL FLOORS AND WAINSCOT:

Vinyl, Sheet or Tile: 3/32" integral composition vinyl tile or .050 gauge integral composition sheet vinyl.

Underlayment: 1/4" mahogany or material/method in accordance with vinyl manufacturer's instructions.

Carpet: In compliance with HUD/FHA UM 44d.

Carpet Pad: In compliance with HUD/FHA UM 72..

Certification Proof: Leave samples of carpet/pad or provide certification literature on HUD/FHA UM standards.

Bathroom Accessories: 2 - 24" towel bars, 1 soap and grab, 1 tp holder. **1/2 Bath:** 1 - 24" towel bar, 1 tp holder.

Additional Information: _____

22. PLUMBING:

Kitchen: 1 stainless steel or cast iron sink w/water saving 2.2 gpm flow rate faucet. 1 garbage disposal (optional).

Bathroom: 1 sink, 1 toilet, 1 bathtub/shower one piece certified ANSI Z 124.1, shower curtain rod.

Toilets: Water conserving low consumption 1.6 gallons per flush.

Sump Pump: If needed, install IAW manufacturer's instructions and cover with lid; high water indicating alarm.

Sump Pump Drain: Extend to street or to area where erosion and drainage can be controlled.

Washer Rough-in: 1 in basement or laundry closet. **3/4 Bath:** Rough-in a 3/4 bath in the unfinished basement.

Water/Septic System: Permitted/approved by Dept. of Health or approved authority.

Shut-off Valves: Shut-off valves and air chambers required at each fixture.

Hose Bibbs: One anti-siphon frost proof bibb on front and back of house. **House Drain:** Sch 40 PVC/DWV.

Vent Stack: Plumbing fixtures within 5' of stack.(through roof) **House Sewer:** Sch 40 PVC/DWV or SDR 35.

Water Supply Lines (above grade): CPVC, Type M copper, all with approved fittings.

Water Heater: 40 gallon cap. min. insulation jacket suggested; pressure release piped directly to the exterior or indirect waste receptor (P2803.6.1) Provide 2 x 4 treated wood blocking under unit. Fuel fired water heaters shall not be installed in a room used as a storage closet (M2005.2).

Scald Guard: Tub/shower mixing valve max. temperature of 120 degrees and a max. flow rate of 2-1/2 gpm.

Additional Information: Plumbing through holes or notches in studs, joists or similar members less than 1 1/2 inches from the edge member shall be protected by shield plates, minimum of 0.062 inch-thick steel plate (P2603.2.1). The minimum distance from the center of a commode to an adjoining wall or tub is 15 inches (R307.1).

23. HEATING:

Furnace: Forced air system. Gas water heater type furnace, 78% AFUE min. gas furnace with electronic ignition, or efficient heat pump. **Venting:** For energy efficiency and to reduce initial costs, consider direct venting from the outside.

Furnace Size: In accordance with heat loss calculations.

Duct : Insulation for ducts in unconditioned space to be 2",3/4 pound density wrap or 1" , 1 1/2 pound liner.

Duct Joints: Mechanically joined and permanently sealed against air leaks/infiltration (duct tape not acceptable).

Garage Duct work: Duct work in garage to be insulated and drywalled/taped.

Thermostat: Standard wall mount

Gas Valve(s): Gas valve with in 6' of appliance and ahead of unions.

Kitchen Exhaust Fan: Smooth vent pipe, double dampered and vented to outside with 1" clearance to combustibles.

Bath Exhaust Fan: Bath fans shall be a minimum of 50 CFM; dampered, vented to the exterior with vent pipe insulated (R303.3)

Additional Information: Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall have no openings in the garage (R309.1.1).

24. ELECTRIC WIRING:

Wiring: 12/2 Ga. wire with ground, copper, min; (14/2 w/ground from switch to light).

Range Wire: Electric range wire 8/3 Ga. copper min.

Panel: 150 amp min. with gas heat; 200-amp min. with electric heat. **Doorbell:** Provide a doorbell at the front door.

Smoke Detector: AC/DC smoke detector in each bedroom, hall outside bedroom(s), in basement, each level, - interconnect all. Refer to R317.1.1, Exceptions (1), for alterations to existing dwellings.

Basement Receptacles: Provide a receptacle on each wall (wiring in conduit if walls not drywalled).

GFCI: All Kitchen counter, bath vanity, 2 exterior - front and back of house, garage, crawl space and basement (except for appliance dedicated receptacles, i.e. freezer, washer/dryer, sump pump). (E3802)

Additional Information: Clear workspace in front of panelboard is 36 inches, 30 inches wide and 6.5 feet measured from the floor. (R3305.2). A minimum of two 20 ampere circuits shall serve the kitchen and dining area, a minimum of one 20 ampere circuit shall be provided to serve the laundry area only and one 20 ampere circuit shall supply the bathroom outlet (for a single bathroom other equipment within the same bath may be permitted) (E603.2 through E 602.4).

25. LIGHTING FIXTURES:

Fixtures: Switched light fixtures shall be provided for each room.

Basement: Provide minimum 4 light fixtures in the basement. **Basement Stairs:** Provide light switch at top and bottom of stairs and at least two lights - one at bottom landing and one at mid stair level on 3-way switch.

Attic & Crawl Space: Provide switched lights for attic and crawl space and for access around mechanical areas.

Additional Information: _____

26. INSULATION:

MINIMUM REQUIREMENTS

Floor Insulation: R-19 for all crawl space floor joists. R-19 for all basement floor joists where dwelling is heated with baseboard heaters. **Rim joists to be insulated to R-19 for all types of construction.**

Basement Knee Walls: 2x4's with R-13 insulation plus R-5 wall sheathing or 2x6 with R-19 insulation (Cover insulation in knee walls with gyp. bd.) All walls to have 6mil poly vapor barrier. (exception may be made for damp spray cellulose insulation)

Ceiling: R-32 (all ceiling to outside of exterior wall). **Attic Access Panel:** 22"x 30", min., insulate to R-32.

Certification: Ceiling insulation certification to be posted near access or in mechanical closet.

Air Chutes: Full air chutes between every third set of rafters/trusses or partial chutes every other rafter/truss.

Wall: 2x4's with R-13 insulation plus R-5 wall sheathing or 2x6's with R-19 insulation

Air Infiltration Barrier: Provide an air infiltration barrier at corners if the enveloping rigid insulation sheathing is not used.

Vapor Barrier: 6 mil. (nominal) clear polyethylene on wall, under slab, or on top of gravel fill in crawl space.

Foundation Perimeter: 1-1/2" blue board rigid insulation around perimeter for slab-on-grade. R-7 minimum

Water line : All water lines in crawl space to be insulated.

Garage: Wall between garage and basement insulated to R-13, taped drywall on both sides, and ceiling of garage insulated to R-19 drywalled and taped; wall between attached garage and dwelling R-19, taped drywall on both sides., and ceiling of garage drywall and taped. (1/2" drywall) Exterior walls of attached garage, if insulated, need to be drywalled

Foam Insulation: Foam all penetrations or voids in exterior walls to prevent air infiltration and voids).

.ENERGY EFFICIENT INSULATION (Extreme Climate)

Floor insulation: All floor joists and band joists R-19

Basement knee wall: 2X6 Studs with R-19 Insulation , plus R-5 insulation board sheathing. (Total R-25 insul)

Ceilings : R-38 (all ceiling to outside of exterior wall) (Provide Raised Heel Rafters)Post ceiling insulation certification in attic near access.

Exterior Walls: 2x6 walls with R-19 insulation , plus R-5 insulation board sheathing (Total R-25 wall insul)

Air Chutes: Full air chutes between each rafter

Air Infiltration Barrier: Wrap corners of dwelling with infiltration barrier

Vapor barrier: 6-mil (nominal) poly on all exterior framed walls, under slabs, and on top of gravel fill in crawl space.

Foundation perimeter: 1 1/2" blue board rigid insulation around perimeter for slab on grade (R-7)

Garage : Wall between garage and basement to be insulated to R-13 , drywalled both sides and taped. Ceiling to be R-19, drywalled and taped. **Attached garage** to have common wall at dwelling insulated to R-19, drywalled and taped each side and ceiling drywalled and taped. Exterior walls of garage , if insulated , must be drywalled.

Attic fan: Box and insulate cover to R-32

Foam Insulation: Foam all penetrations or voids in exterior walls to prevent air infiltration and voids.

Water lines: Insulate all water lines in crawl space

Basement Option: Basement walls can be furred with 2x4's (treated base plate) , insulated to R-13 and 6 mil vapor barrier to warm side ,and drywalled. The basement ceiling and ductwork do not need to be insulated if this option is chosen.

MISCELLANEOUS:

- **Hardware:** Approved numbers or addresses shall be provided for all new buildings in such a position as to be plainly visible from the street or road fronting the property (R325.1). All doors shall be keyed alike.
- **Special Equipment:** • **Attic Fan**(optional): Box and tightly insulate sides/top with removable/hinged cover to prevent air infiltration.

- **Porches:** All porches to be on stoop arms or have a foundation below frost line. Porch slabs shall be poured against flashing next to dwelling (if against framing). Siding to be 4" above porch or deck. Minimum porch size to be 4'x 6'. Deck/porch exceeding 30" off grade shall have railing with balusters. Baluster spacing shall not allow a 4" diameter object between balusters.
- **Exterior Concrete Slabs:** Slabs, sidewalks, driveways, garage floors, or any concrete slab that is exposed to the elements shall be constructed with 3500 psi concrete and reinforced with 6 x 6 10/10 welded wire mesh or #4 rebar on a 36" grid, minimum. Construction joints not to exceed 20'.
- **Garages:** The garage shall be separated from the residence and its attic area by taped 1/2" gypsum board applied to the garage side. Garage O.H. door jack studs are to be treated lumber if in contact with concrete. Provide a window in garage wall or door. Slope garage floor 2" from rear to overhead door. Provide a steel insulated or 1 3/8" solid wood door between the house and garage. Garage floor to be 12" higher than street or have special design allowing for run-off. Garage floor shall be 4" lower than finished floor areas. Garage floor to be 1" higher directly behind door to prevent driving rains from forcing water into garage.
- **Driveway:** 12' width with flared edges at street. 4" sand or clean gravel base 4", 3500 psi conc. with 6x6 #10/10 wwm.
- Drainage culvert at road entrance is to be designed for extreme conditions and to minimize erosion.
- Side walks: 4' width, 3500 psi conc. with #6x6 #10/10 wwm. Stairs to have 7" riser max with 11" min. tread. Provide walk from driveway to front door.
- **Air Conditioners:** Air conditioners shall have a minimum SEER rating of 10.0 or a minimum EER rating of 8.5.
- **Landscaping, Planting and Finish Grading:** Dwelling to be finish graded, raked smooth, large rocks removed, seeded and mulched. Grade to be 8" below top of foundation and 6" below siding. Slope grade 6" in first 10' away from dwelling, min. Topsoil from site only.. Plantings shall include two 8' trees and three 2-gallon medium growing shrubs.
- **Town or Garden Houses:** "Zero lot line" needs to have two hour fire separation assembly and foundation wall between units from ground to roof deck. Common wall can not contain plumbing, mechanical, or vents. To be classified as single family for loan consideration the unit must have separate access and entrance, be structurally independent from the other unit, and provide complete independent living facilities. See 1995 CABO 320 for more details and options. Use Group 3, multiple single-family dwellings exceeding 2 units, have additional requirements - see 1993 BOCA 310.5 for definition and requirements.
- **Ramps shall have a maximum slope of one unit in eight units horizontal (12.5-percent slope). (R313.1)**
- **Handrails shall be provided on at least one side of all ramps exceeding a slope of one unit vertical in 12 units horizontal. (R313.2)**
- **A minimum 3-foot x 3-foot landing shall be provided at the top and bottom of ramps, where doors open onto ramps and where ramps change directions (R313.3).**
- **All Seismic design work is to be certified and plainly shown on the plans for applicable areas.**
- **Refer to section R404.4 for insulating concrete form foundation walls.**
- **Decks shall be positively anchored to the primary structure and designed for both vertical and lateral loads as applicable (R502.2.1). Where this cannot be verified, decks shall be self supporting.**
- **For Engineered wood products, cuts, notches and holes bored in trusses, laminated veneer lumber, glue laminated members or I-joists are NOT permitted unless the effects of such penetrations are specifically considered in the design of the member (R502.8.2).**
- **Specifications for Steel Floor Framing is found in Section R505.**
- **Specifications for Steel Wall Framing is found in Section R603.**
- **Specifications for Steel Roof Framing are found in Section R804.**

The plan and specification certifier, builder, and owner do hereby agree to construct this dwelling in accordance with Rural Development accepted plans and specifications and in accordance with the 2000 International Residential Code for One and Two-Family Dwelling, the 1992 Model Energy Code, the 1999 National Electrical Code and local, state, and federal laws and Rural Development regulations.

date

signature of certifier

date

signature of builder

date

signature of applicant